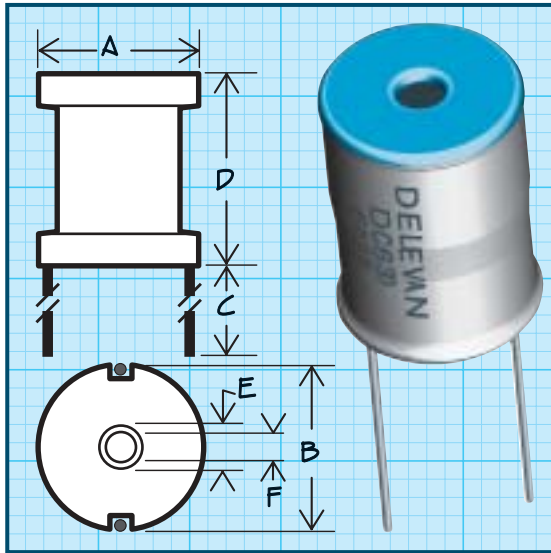


Series DC630

High Current Power Line Chokes



Physical Parameters

| | Inches | Millimeters |
|----------------|-------------------------------|---------------|
| A | 0.630 ± 0.030 | 16.0 ± 0.762 |
| B (C/L to C/L) | See Characteristics table | |
| C | 0.750 Min. | 19.05 Min. |
| D | 0.810 ± 0.020 | 20.57 ± 0.508 |
| E (Ref. only) | 0.195 Max. | 4.95 Max. |
| F | Clearance Hole for 4/40 Screw | |

Leads Tinned to within 1/16" of Body

Inductance

Measured @ 10 KHz, 25mAdc and 0 Adc @ 25°C

Mechanical Configuration Insulated Ferrite Bobbin protected with a flame retardant polyolefin sleeve; Center hole allows for mechanical mounting

Operating Temperature

-55°C to +125°C;
-55°C to +80°C @ full rated current

Current Rating at 80°C Ambient 45°C Rise

Incremental Current Minimum current which causes a 5% max. change in Inductance

Power Dissipation at 80°C 1.00 Watts Max.

Dielectric Withstanding Voltage 1000 V RMS Min.

Marking Parts printed with DELEVAN and API Part Number

Packaging Bulk only

| PART NUMBER | NOMINAL INDUCTANCE (µH) | TOLERANCE | DC RESISTANCE MAX. (OHMS) @ 25°C | CURRENT RATING MAXIMUM (A DC) | INCREMENTAL CURRENT (A DC) | DIMENSION B (Approx. Inches) | LEAD DIAMETER (Inches) |
|--------------|-------------------------|-----------|----------------------------------|-------------------------------|----------------------------|------------------------------|------------------------|
| SERIES DC630 | | | | | | | |
| DC630-102M | 1.0 | ± 20% | 0.003 | 14.00 | 68.0 | 0.490 | 0.051 |
| DC630-152M | 1.5 | ± 20% | 0.004 | 13.50 | 55.5 | 0.490 | 0.051 |
| DC630-222M | 2.2 | ± 20% | 0.005 | 12.80 | 46.0 | 0.490 | 0.051 |
| DC630-272M | 2.7 | ± 20% | 0.005 | 12.80 | 42.0 | 0.490 | 0.051 |
| DC630-332M | 3.3 | ± 20% | 0.005 | 12.80 | 38.0 | 0.490 | 0.051 |
| DC630-392M | 3.9 | ± 20% | 0.006 | 12.30 | 34.5 | 0.490 | 0.051 |
| DC630-472M | 4.7 | ± 20% | 0.007 | 11.70 | 31.5 | 0.490 | 0.051 |
| DC630-562M | 5.6 | ± 20% | 0.007 | 11.70 | 29.0 | 0.490 | 0.051 |
| DC630-682M | 6.8 | ± 20% | 0.008 | 10.50 | 26.0 | 0.490 | 0.051 |
| DC630-822M | 8.2 | ± 20% | 0.009 | 10.00 | 24.0 | 0.490 | 0.051 |
| DC630-103K | 10.0 | ± 10% | 0.010 | 9.50 | 21.5 | 0.490 | 0.051 |
| DC630-123K | 12.0 | ± 10% | 0.011 | 9.10 | 19.5 | 0.490 | 0.051 |
| DC630-153K | 15.0 | ± 10% | 0.015 | 8.09 | 17.5 | 0.470 | 0.045 |
| DC630-183K | 18.0 | ± 10% | 0.020 | 7.00 | 16.0 | 0.460 | 0.040 |
| DC630-223K | 22.0 | ± 10% | 0.025 | 6.26 | 14.5 | 0.460 | 0.040 |
| DC630-273K | 27.0 | ± 10% | 0.030 | 5.72 | 13.2 | 0.440 | 0.036 |
| DC630-333K | 33.0 | ± 10% | 0.040 | 4.95 | 11.9 | 0.430 | 0.032 |
| DC630-393K | 39.0 | ± 10% | 0.050 | 4.43 | 10.9 | 0.420 | 0.029 |
| DC630-473K | 47.0 | ± 10% | 0.062 | 3.98 | 10.0 | 0.480 | 0.029 |
| DC630-563K | 56.0 | ± 10% | 0.069 | 3.77 | 9.20 | 0.480 | 0.029 |
| DC630-683K | 68.0 | ± 10% | 0.077 | 3.57 | 8.30 | 0.480 | 0.029 |
| DC630-823K | 82.0 | ± 10% | 0.083 | 3.44 | 7.60 | 0.480 | 0.029 |
| DC630-104K | 100 | ± 10% | 0.095 | 3.21 | 6.80 | 0.480 | 0.029 |
| DC630-124K | 120 | ± 10% | 0.100 | 3.12 | 6.20 | 0.480 | 0.029 |
| DC630-154K | 150 | ± 10% | 0.111 | 2.97 | 5.60 | 0.480 | 0.029 |
| DC630-184K | 180 | ± 10% | 0.125 | 2.80 | 5.10 | 0.480 | 0.029 |
| DC630-224K | 220 | ± 10% | 0.168 | 2.42 | 4.60 | 0.470 | 0.025 |
| DC630-274K | 270 | ± 10% | 0.225 | 2.09 | 4.20 | 0.450 | 0.023 |
| DC630-334K | 330 | ± 10% | 0.315 | 1.72 | 3.80 | 0.450 | 0.020 |
| DC630-394K | 390 | ± 10% | 0.342 | 1.66 | 3.40 | 0.480 | 0.020 |
| DC630-474K | 470 | ± 10% | 0.377 | 1.58 | 3.10 | 0.480 | 0.020 |
| DC630-564K | 560 | ± 10% | 0.408 | 1.52 | 2.90 | 0.480 | 0.020 |
| DC630-684K | 680 | ± 10% | 0.468 | 1.42 | 2.60 | 0.480 | 0.020 |